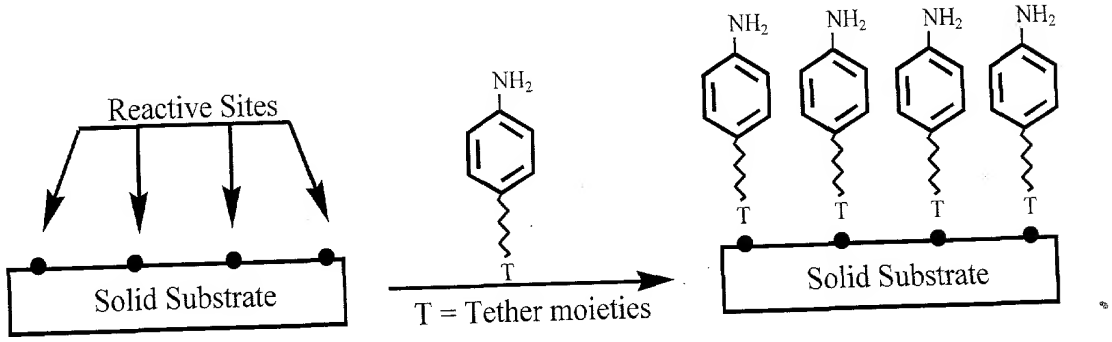
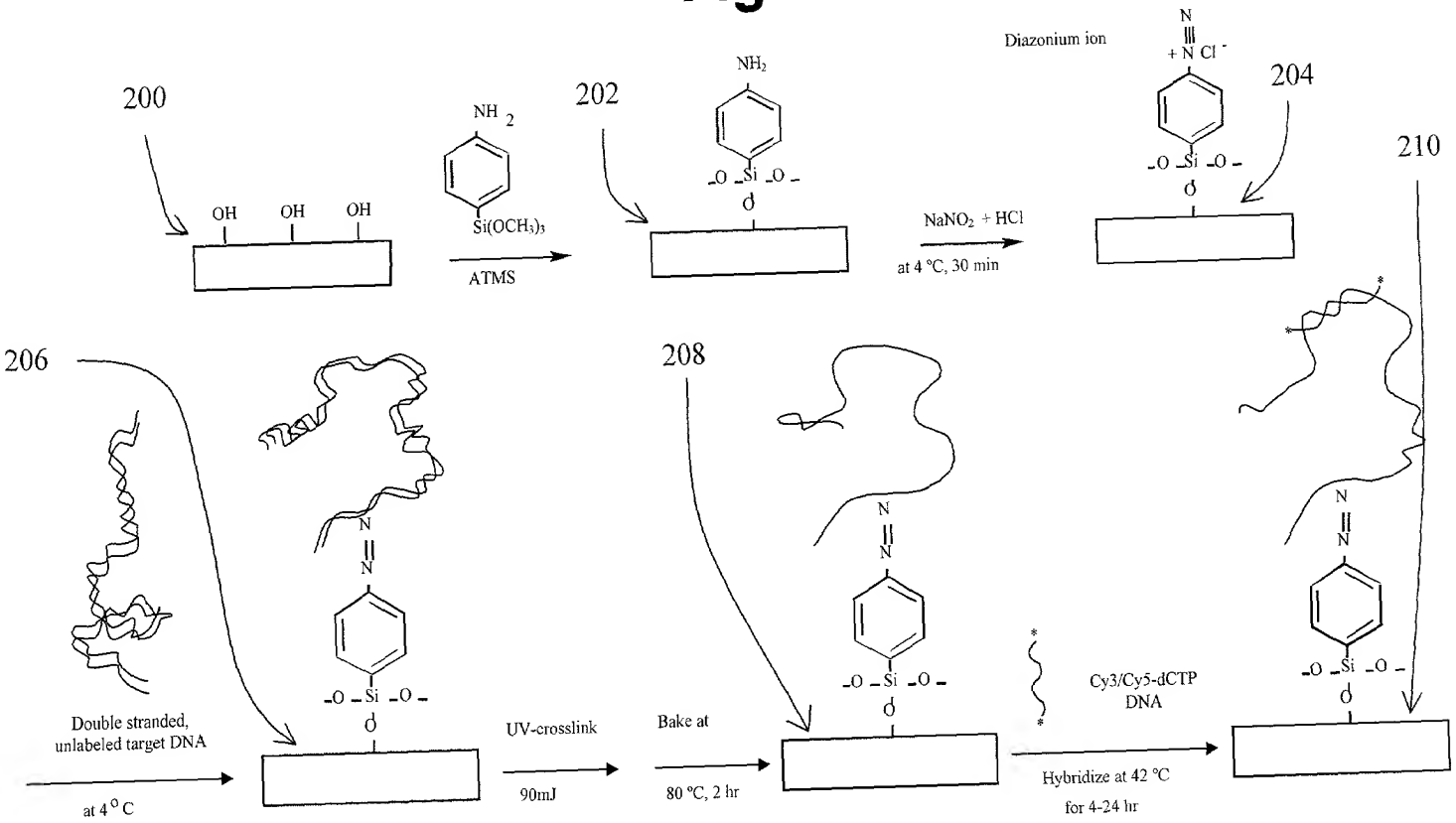
Fig. 1


Reactive Sites
Solid Substrate
NH2
T
T = Tether moieties
NH2
NH2
NH2
NH2
T
T
T
T
Solid Substrate

PATENT CERTIFIED

Fig. 2



PCT/GB2004/004360

Fig. 3

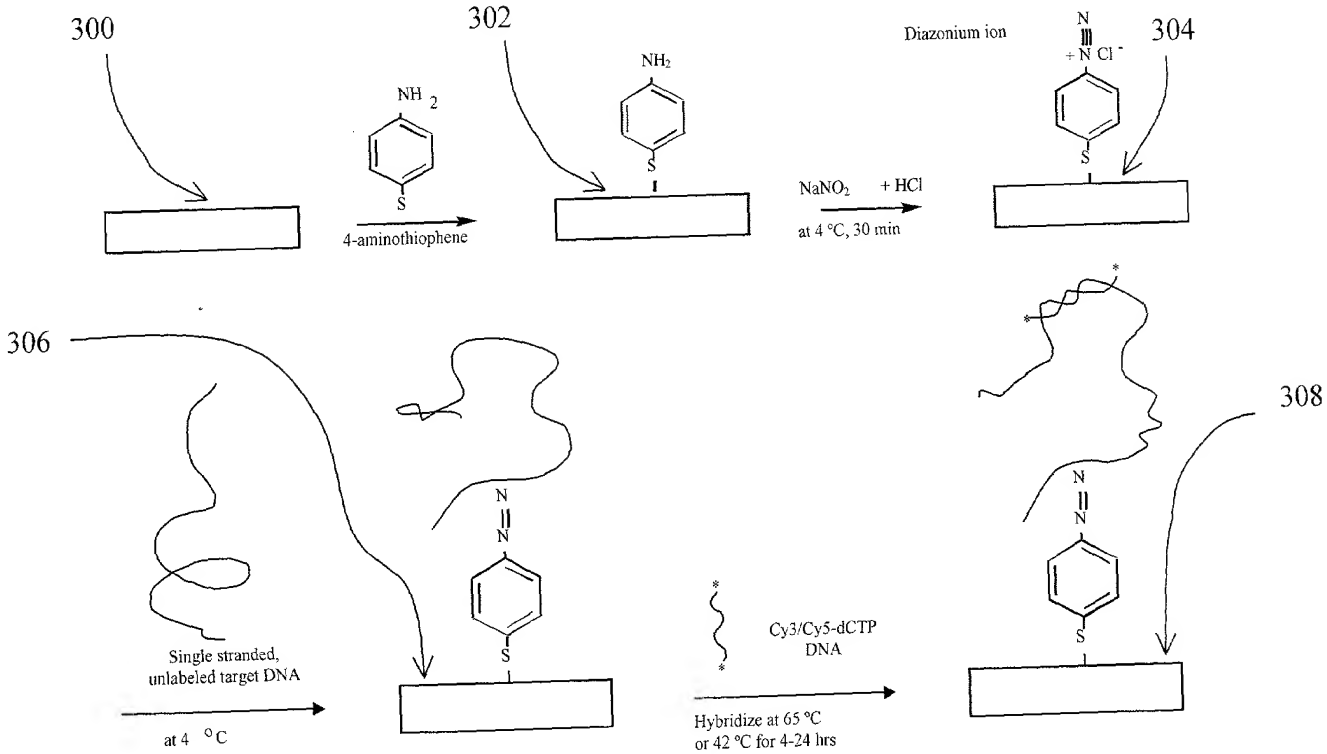


FIG. 4

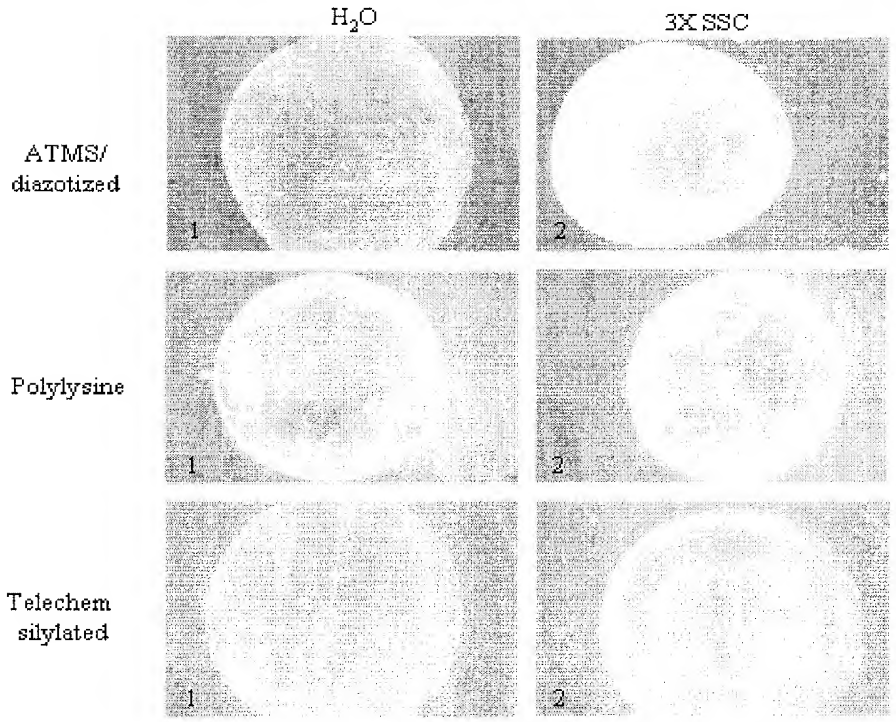

H_2O
3X SSC
ATMS/ diazotized
Polylysine
Telechem silylated
1
2
1
2
1
2

FIG. 5

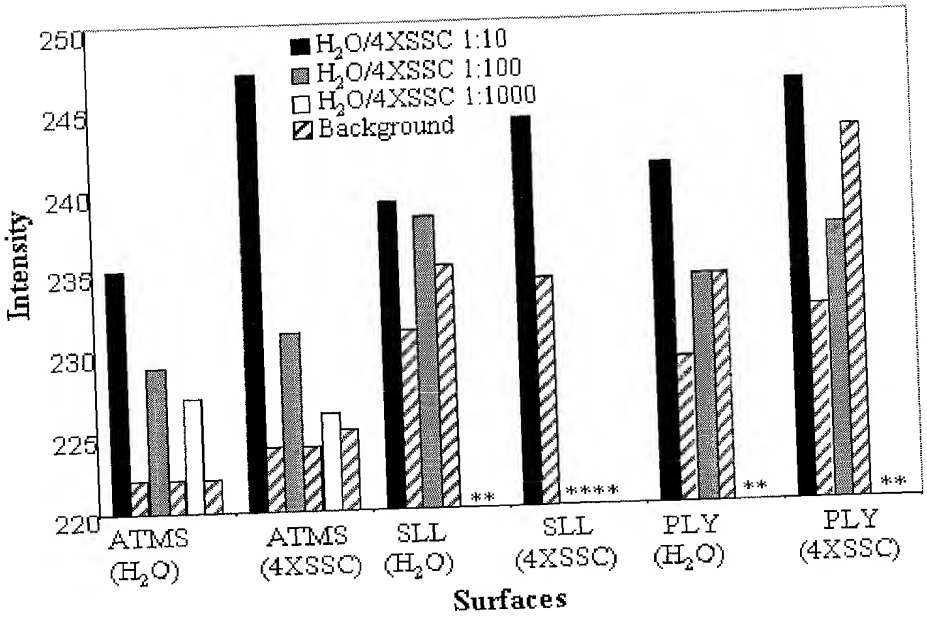

250
245
240
235
230
225
220
Intensity
H2O/4XSSC 1:10
H2O/4XSSC 1:100
H2O/4XSSC 1:1000
Background
**
****
**
**
ATMS (H2O)
ATMS (4XSSC)
SLL (H2O)
SLL (4XSSC)
PLY (H2O)
PLY (4XSSC)
Surfaces

FIG. 6a

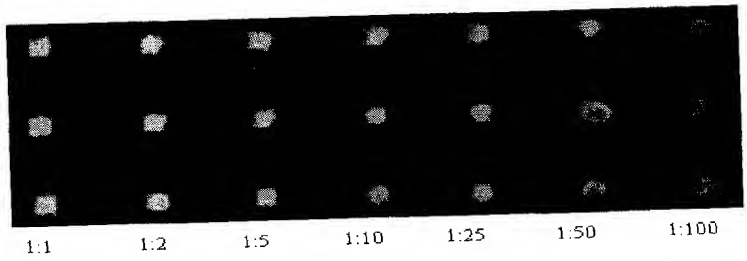

1:1
1:2
1:5
1:10
1:25
1:50
1:100

FIG. 6b

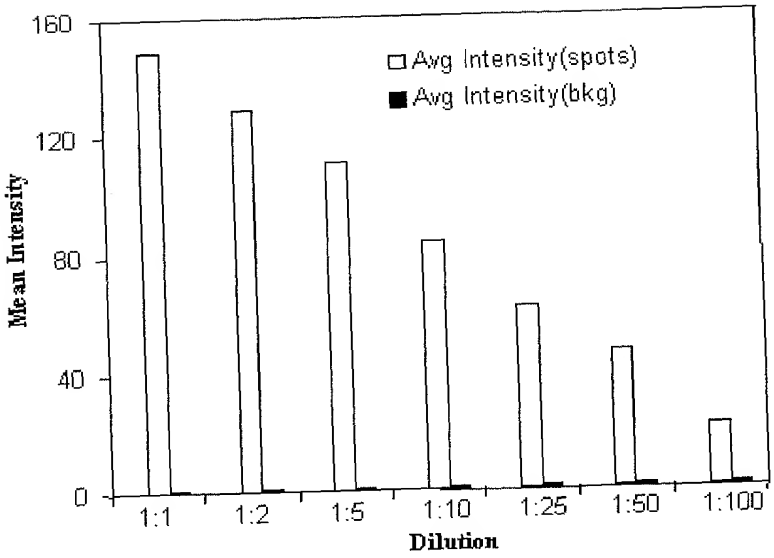

160
120
80
40
0
Mean Intensity
Avg Intensity(spots)
Avg Intensity(bkg)
1:1
1:2
1:5
1:10
1:25
1:50
1:100
Dilution

FIG. 7

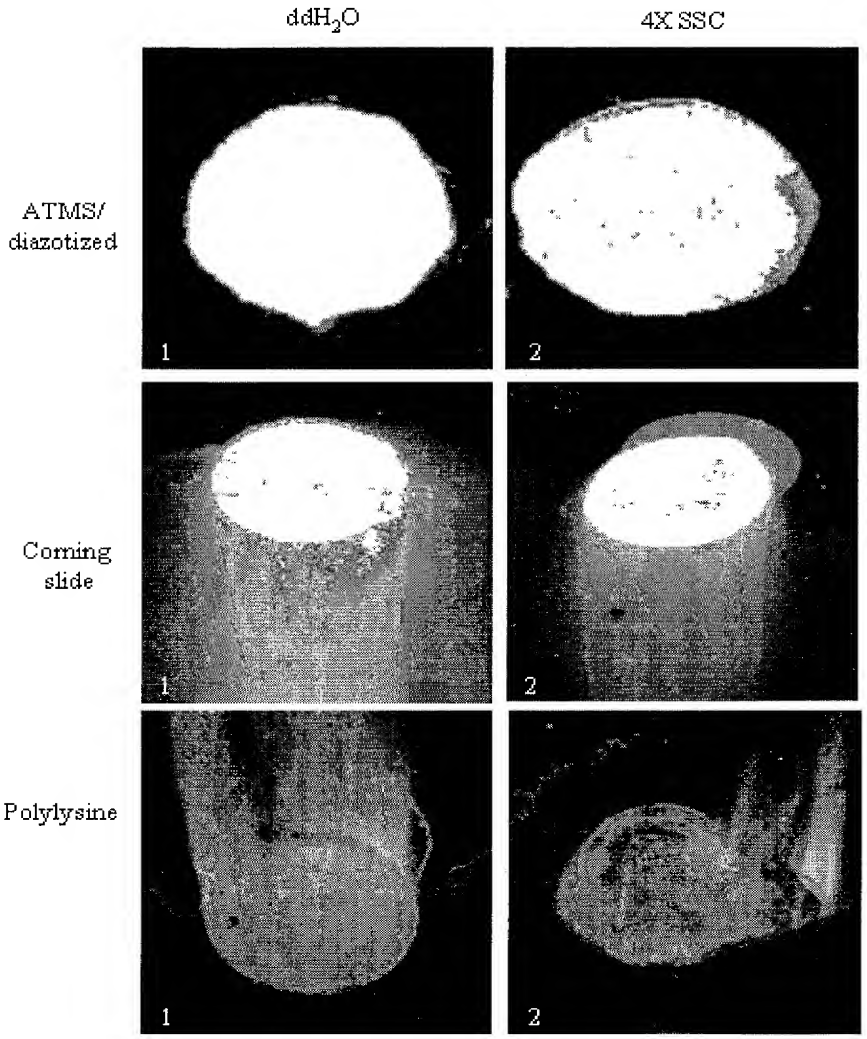

ddH2O
4X SSC
ATMS/ diazotized
Corning slide
Polylysine
1
2
1
2
1
2

FIG. 8a

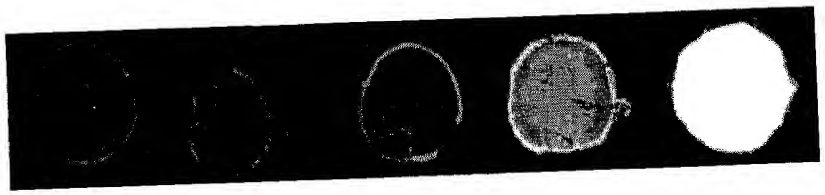

A
B
C
D
E

FIG. 8b

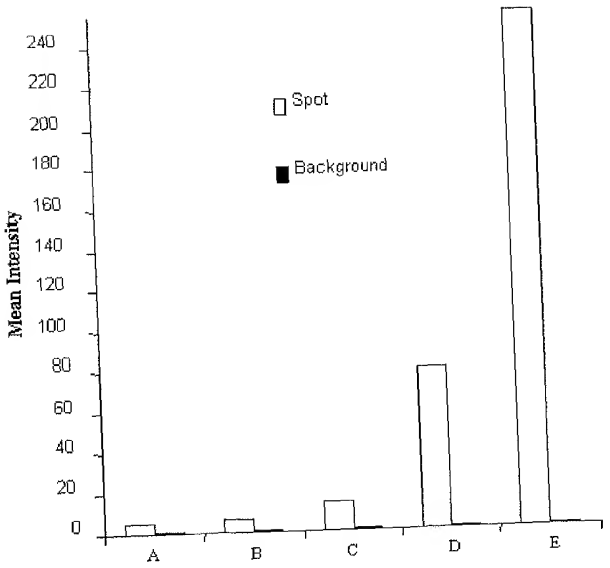

Mean Intensity
240
220
200
180
160
140
120
100
80
60
40
20
0
Spot
Background
A
B
C
D
E

FIG. 9a

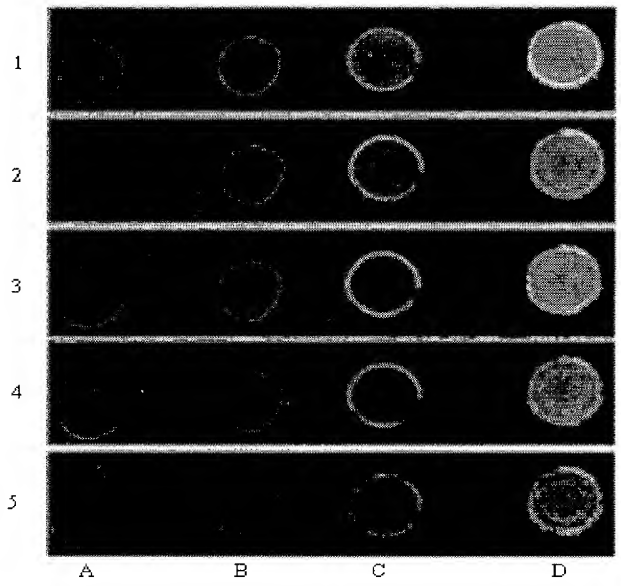


FIG. 9b

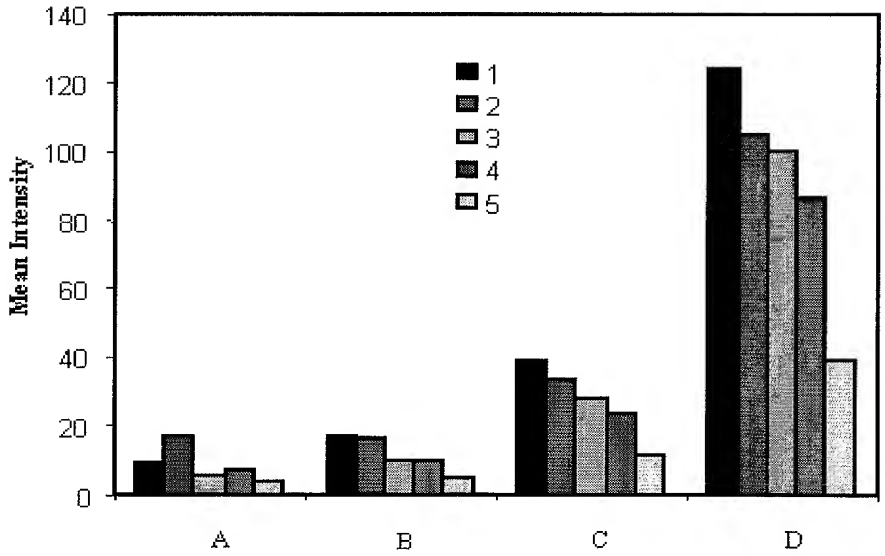
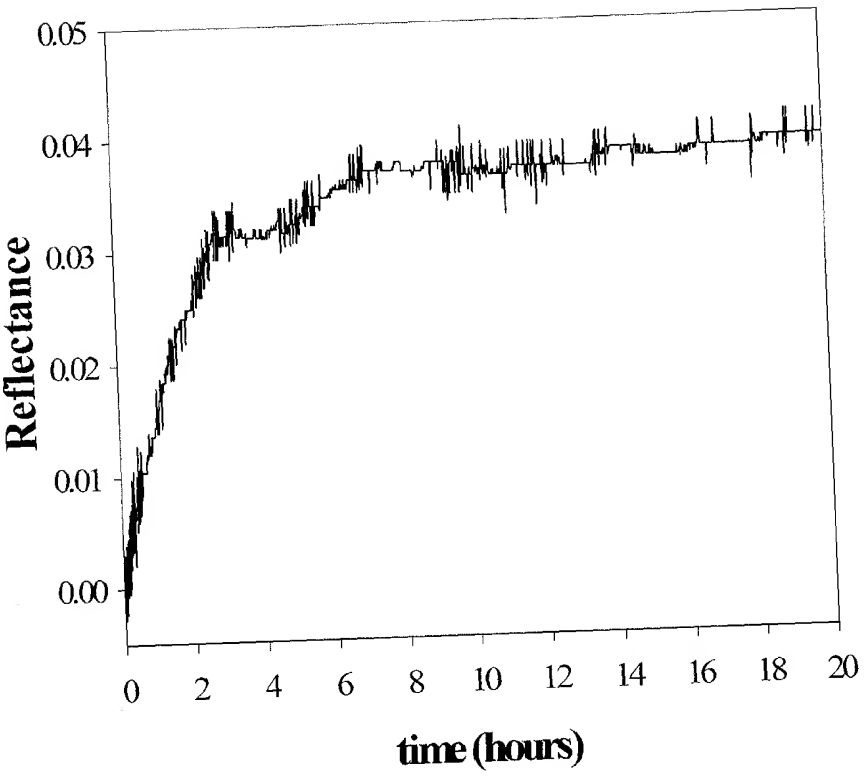


Fig. 10


0.05
0.04
0.03
0.02
0.01
0.00
Reflectance
0
2
4
6
8
10
12
14
16
18
20
time (hours)